

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
RAILWAY BOARD

No. 2014/CE-III/BR/Bridge Policy

New Delhi, Dated: 21/04/2015

Principal Chief Engineers
All Indian Railways.

Chief Administrative Officers (Const.)
All Indian Railways.

Sub: Span arrangement of Railway Bridges.

Large number of railway bridges are being constructed during doubling, tripling, gauge conversion, new lines, on replacement account of existing bridges etc. The span arrangement and requisite waterway of these bridges are being decided based on hydrological parameters, economy in design, ease of construction etc. Selection of spans should be carefully planned to ensure that vertical profile is maintained to ensure smooth running of trains. Also, track center to be generally maintained so that reverse curves are not introduced on the bridge approaches. This can be achieved by constructing foundation by adopting adequate safety measures and modern construction methods to enable safe train operation on the adjacent track. Needless to say that adequate waterway is very important parameter in the design of new bridges. Therefore, it is important to consider all the relevant parameters like topography, catchment area, run of coefficient etc prevalent during the time of bridge construction.

You are requested to acknowledge the receipt of this letter.

Sinha
(N.K. Sinha) 21.4.15
Advisor/Bridge
Railway Board
O/C.

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